

ABSTRACT

The present invention relates to devices for efficient transport, transfer and movement of fluids. In particular, the invention provides fluidic micro-structures for controlled transport and movement of liquids in devices for analytical and other purposes. Devices of the invention include one or more features that can enhance performance of the fluid transfer, referred to as a pre-shooter stop, a butterfly structure, a cascade structure, a waste chamber inlet, a capillary driven sample inlet chamber, a capillary stop structure, a bifurcation flow-through structure, and a hydrophobic vent.